

ABSTRACT

A laser peening apparatus (600) for manufacturing a rotor using an electrical steel sheet with low iron loss for enabling high speed rotation of a motor. The laser peening apparatus (600) includes a laser irradiating device (610) for irradiating with a laser (690) through a liquid (680) the rotor (200) made of an electrical steel sheet with low iron loss, and a drive device for moving the rotor 200 relative to an irradiation spot of the laser (690) so that the laser 690 irradiates along a bridge side on an inner circumference of a magnet insertion window (201) of the rotor (200).